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<110>  SinoGenoMax Company Ltd
<120>  Randomised DNA libraries and double-stranded RNA libraries, use and
method of production thereof
<130>  P06031PC00
<140>  PCT/SE2003/001077
<141>  2003-06-23
<150>  US 60/390,108
<151>  2002-06-21
<160>  45
<170>  PatentIn version 3.1
<210>  1
<211>  29
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  primer
<400>  1
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ggaattcgaa cgctgacgtc atcaacccg   29

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<210>  2
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<223>  primer
<400>  2
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gaagatctgt ctcatacaga acttataaga ttccc   35

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<210>  3
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<213>  Artificial Sequence
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<222>  (7)... (7)
<223>n□a, "t", "c", or"g"
<221>  misc-feature
<222>  (9)... (9)
<223>n□a, "t", "c", or"g"
<400>  3
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tccaggnanc gcgggcccag tgtcactagg cgggaacacc cagcgcgcgt gcgccctggc   60

aggaagatgg ctgtgaggga caggggagtg gcgccctgca atatttgcat gtcgctatgt   120

gttctgggaa atcaccataa acgtgaaatg tctttggatt tgggaatctt ataagttctg   180

tatgagacag atcttcaata ttggccatta gccatattat tcattggtta tatagcataa   240

atcaatattg gctattggcc attgcatacg ttgtatctat atcataatat gtacatttat   300

attggctcat gtccaatatg accgccatgt tggcattgat tattgactag ttattaatag   360

taatcaatta cggggtcatt agttcatagc ccattatggg agttccgcgt tacataactt   420

acggtaaatg gcccgcctgg ctgaccgccc aacgaccccc gcccattgac gtcaataatg   480

acgtatgttc ccatagtaac   500

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<210>  4
<211>  38
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  primer
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<400>  4
acgcgtcgac gaattcgaac gctgacgtca tcaacccg                              38
<210>  5
<211>  36
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  primer
<400>  5
cccaagcttg tctcatacag aacttataag attccc                               36
<210>  6
<211>  50
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  oligo DNA
<400>  6
ggggaagatc taaaaaaata aatgaatcaa gaacattttt aagcttgggg               50
<210>  7
<211>  50
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  oligo DNA
<400>  7
ccccaagctt aaaaatgttc ttgattcatt tattttttta gatcttcccc               50
<210>  8
<211>  50
<212>  DNA
<220>
<221>  misc-feature
<222>  (17)...(35)
<223>  n= a, "t", "c", or"g"
<400>  8
ggggaagatc taaaaannnn nnnnnnnnnn nnnnnttttt aagcttgggg               50
<210>  9
<211>  51
<212>  DNA
<213>  Artificial Sequence
<220>
<221>  misc-feature
<222>  (17)... (36)
<223>  n= a, "t", "c", or"g"
<400>  9
ggggaagatc taaaaannnn nnnnnnnnnn nnnnnntttt taagcttggg g             51
<210>  10
<211>  52
<212>  DNA
<213>  Artificial Sequence
<220>
<221>  misc-feature
<222>  (17)... (37)
<223>  n= a, "t", "c", or"g"
<400>  10
ggggaagatc taaaaannnn nnnnnnnnnn nnnnnnnttt ttaagcttgg gg           52
<210>  11
<211>  15
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  primer
<400>  11
ccccaagctt aaaaa                                                      15
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<210>  12
<211>  19
<212>  DNA
<213>  Artificial Sequence
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<223>  19 base pair clone
<400>  12
aaagggttta cgtggttgg                                                    19
<210>  13
<211>  19
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  19 base pair clone
<400>  13
aatcgtctta tttgcatgc                                                    19
<210>  14
<211>  19
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  19 base pair clone
<400>  14
aattgacatg tgagcttgg                                                    19
<210>  15
<211>  19
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  19 base pair clone
<400>  15
agtagcttgt tgaggttgg                                                    19
<210>  16
<211>  19
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  19 base pair clone
<400>  16
cagcatcact gtatgtgtc                                                    19
<210>  17
<211>  19
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  19 base pair clone
<400>  17
ctatcttcgt ggaggttgg                                                    19
<210>  18
<211>  19
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  19 base pair clone
<400>  18
ctatgaaggt ggtgatgcg                                                    19
<210>  19
<211>  19
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  19 base pair clone
<400>  19
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cttaattggt ggttgtagg   19
<210> 20
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<212> DNA
<213> Artificial Sequence
<220>
<223> 19 base pair clone
<400> 20
tggctgtatg tgagtggct   19
<210> 21
<211> 19
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<213> Artificial Sequence
<220>
<223> 19 base pair clone
<400> 21
ttaatctctg gtgtcctaa   19
<210> 22
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> 19 base pair clone
<400> 22
ttgtagggac ttggatgat   19
<210> 23
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 23
aaaaattcga acccc   15
<210> 24
<211> 50
<212> DNA
<213> Artificial Sequence
<220>
<221> misc-feature
<222> (17)... (35)
<223> n= a, "t", "c", or"g"
<400> 24
ccccttctag atttttnnnn nnnnnnnnnn nnnnnaaaaa ttcgaacccc   50
<210> 25
<211> 35
<212> DNA
<213> Artificial Sequence/Synthetic Construct
<220>
<221> misc_feature
<222> (11)... (29)
<223> n= a, "t", "c", or"g"
<400> 25
gatctaaaaa nnnnnnnnnn nnnnnnnnnt tttta   35
<210> 26
<211> 35
<212> DNA
<213> Artificial Sequence/Synthetic Construct
<220>
<221> misc_feature
<222> (7)... (25)
<223> n= a, "t", "c", or"g"
<400> 26
atttttnnnn nnnnnnnnnn nnnnnaaaaa ttcga   35

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<210>  27
<211>  50
<212>  DNA
<213>  Artificial Sequence/Synthetic Construct
<220>
<223>  DNA/RNA sequence
<400>  27
ggggaagatc taaaaaaata aatgaatcaa gaacatttt aagcttgggg          50
<210>  28
<211>  50
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA sequence
<400>  28
ccccttctag attttttat ttacttagtt cttgtaaaaa ttcgacccc          50
<210>  29
<211>  35
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  cleaved from SEQ ID NO 27
<400>  29
gatctaaaaa aataaatgaa tcaagaacat tttta                         35
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<211>  35
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  cleaved from SEQ ID NO 28
<400>  30
atttttttat ttacttagtt cttgtaaaaa ttcga                         35
<210>  31
<211>  9
<212>  DNA
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<223>  DNA/RNA hairpin
<400>  31
ttcaagaga                                                      9
<210>  32
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<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA hairpin
<400>  32
aagttctct                                                      9
<210>  33
<211>  18
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA sequence
<400>  33
acaaagcttt tccaaaaa                                            18
<210>  34
<211>  19
<212>  DNA
<213>  Artificial Sequence/Synthetic Construct
<220>
<221>  misc_feature
<222>  (1)...(19)
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<223> n= a, "t", "c", or"g"
<400> 34
nnnnnnnnnn nnnnnnnnn   19
<210> 35
<211> 36
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA/RNA hairpin
<400> 35
cacacgtgtc ttcgaacaca atgctaatct cttgaa   36
210> 36
<211> 26
<212> DNA
<213> Artificial Sequence
<220>
<223> Adapter linker
<400> 36
agcttactgc acccgggggat cctgtt   26
<210> 37
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 37
aactggatcc ccggggtgca g   21
<210> 38
<211> 64
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA/RNA Sequence
<220>
<221> misc-feature
<222> (8)...(26)
<223> n= a, "t", "c", or"g"
<220>
<221> misc_feature
<222> (36)... (54)
<223> n= a, "t", "c", or"g"
<400> 38
gatccccnnn nnnnnnnnnn nnnnnttca agagannnnn nnnnnnnnnn nnnnttttg   60
gaaa   64
<210> 39
<211> 64
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA/RNA Sequence
<220>
<221> misc_feature
<222> (4)...(22)
<223> n= a, "t", "c", or"g"
<220>
<221> misc_feature
<222> (32)...(50)
<223> n= a, "t", "c", or"g"
<400> 39
gggnnnnnnn nnnnnnnnnn nnaagttctc tnnnnnnnnn nnnnnnnnnn aaaaacctttt   60
tcga   64
<210> 40
<211> 11

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<212>  DNA
<213>  Artificial Sequence
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<223>  DNA/RNA sequence
<400>  40
tttttggatc c                                                          11
<210>  41
<211>  41
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA Hairpin
<400>  41
gggagatctt cgcttcaacg aagatctccc ggatccaaaa a                         41
<210>  42
<211>  31
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA Sequence
<220>
<221>  misc_feature
<222>  (8)...(26)
<223>  n= a, "t", "c", or"g"
<400>  42
gatccccnnn nnnnnnnnnn nnnnnntttt t                                    31
<210>  43
<211>  29
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA Sequence
<220>
<221>  misc_feature
<222>  (1)...(19)
<223>  n= a, "t", "c", or"g"
<400>  43
nnnnnnnnnn nnnnnnnnnt ttttggaaa                                       29
<210>  44
<211>  27
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA Sequence
<220>
<221>  misc_feature
<222>  (4)...(22)
<223>  n= a, "t", "c", or"g"
<400>  44
gggnnnnnnn nnnnnnnnnn nnaaaaa                                         27
<210>  45
<211>  33
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA Sequence
<220>
<221>  misc_feature
<222>  (1)...(19)
<223>  n= a, "t", "c", or"g"
<400>  45
nnnnnnnnnn nnnnnnnnna aaaacctttt cga                                  33
```